

ABSTRACT OF THE DISCLOSURE

METHOD AND SYSTEM FOR A GRID-ENABLED VIRTUAL MACHINE
WITH MOVABLE OBJECTS

5 A method, an apparatus, a computer program product,
and a data processing system provide for operation of a
virtual machine with embedded functionality for
10 interoperating with other virtual machines in a
computational grid. A plurality of virtual machines are
run on one or more devices within a data processing
system; each virtual machine in the plurality of virtual
machines incorporates functionality for interoperating
15 and associating with other virtual machines in a virtual
machine cluster in a grid-like manner. Each virtual
machine in the virtual machine cluster acts as a node
within the virtual machine cluster. A virtual machine
manages its objects in association with an object group,
20 and each virtual machine may manage multiple object
groups. The virtual machines share information such that
the object groups can be moved between virtual machines
in the virtual machine cluster, thereby allowing the
virtual machine cluster to act as one logical virtual
25 machine.